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CONFIDENTIAL

TO: Commissioner for Patents FAX #: (703)872-9318

GROUP ART UNIT: 2828

ADDRESS: U.S. Patent and Trademark Office


P.O. Box 1450

Arlington, VA 22313-1450

Transmitted herewith regarding Attorney docket no. CT1108, Application Serial No. 09/921,495,
Filed 08/03/2001, are the following:

- ☒ Transmittal Form
- ☒ Fee Transmittal Form
- ☒ PTO form 2038, Credit Card Payment Form for payment in the amount of \$55
- ☒ Petition for Extension of Time
- ☒ Response under 37 CFR 1.111 (7 pages)

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James R. Young, Reg. No. 30515

11 PAGE(S) TO FOLLOW THIS COVER SHEET

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PTO/SB/21 (01-03)

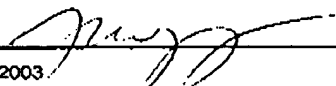
Approval for use through 04/30/2003. OMB 0651-0031

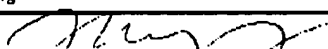
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| | | |
|--|------------------------|---------------------|
| TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i> | Application Number | 09/921,495 |
| | Filing Date | Aug 3, 2001 |
| | First Named Inventor | Stoneman, Robert C. |
| | Art Unit | 2828 |
| | Examiner Name | H. Vy |
| Total Number of Pages in This Submission | Attorney Docket Number | CT1108 |

| ENCLOSURES (check all that apply) | | |
|---|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (<i>Appeal Notice, Brief, Reply Brief</i>) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (<i>please identify below</i>): |
| Remarks: Response comprises 7 pages. | | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | |
|--|---|
| Firm or Individual | James R. Young, Patent Attorney |
| Signature |  |
| Date | August 11, 2003 |

| CERTIFICATE OF TRANSMISSION/MAILING | | | |
|--|---|------|-----------------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on this date: August 11, 2003 | | | |
| Typed or printed | James R. Young | Date | August 11, 2003 |
| Signature |  | Date | August 11, 2003 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FET'S OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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**FEE TRANSMITTAL
for FY 2003**

Effective 01/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$55.00)**Complete if Known**

| | |
|----------------------|-----------------|
| Application Number | 09/921,495 |
| Filing Date | 08/03/2001 |
| First Named Inventor | Stoneman et al. |
| Examiner Name | H. Vy |
| Art Unit | 2828 |
| Attorney Docket No. | CT1108 |

FAX RECEIVED**AUG 11 2003****TECHNOLOGY CENTER 2800****METHOD OF PAYMENT (check all that apply)**☐ Check ☒ Credit Card ☐ Money Order ☐ Other ☐ None☐ Deposit Account

| | |
|------------------------|--|
| Deposit Account Number | |
| Deposit Account Name | |

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments☐ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|---------------------|----------|--------------|----------|------------------------|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1001 | 750 | 2001 | 375 | Utility filing fee | |
| 1002 | 330 | 2002 | 165 | Design filing fee | |
| 1003 | 570 | 2003 | 285 | Plant filing fee | |
| 1004 | 750 | 2004 | 375 | Reissue filing fee | |
| 1005 | 100 | 2005 | 50 | Provisional filing fee | |
| SUBTOTAL (1) | | | | | |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | | Extra Claims | | Fee from below | | Fee Paid | |
|--------------------|--|--------------|--|----------------|--|----------|--|
| | | 20** | | X | | = | |
| Independent Claims | | 3** | | X | | = | |
| Multiple Dependent | | | | | | = | |

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|---------------------|----------|--------------|----------|---|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 | |
| 1201 | 84 | 2201 | 42 | Independent claims in excess of 3 | |
| 1203 | 280 | 2203 | 140 | Multiple dependent claim, if not paid | |
| 1204 | 84 | 2204 | 42 | **Reissue independent claims over original patent | |
| 1205 | 18 | 2205 | 9 | **Reissue claims in excess of 20 and over original patent | |
| SUBTOTAL (2) | | | | | |

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 130 | 2053 | 65 | Non-English specification | |
| 1812 | 2,520 | 2812 | 2,520 | For filing a request for ex parte reexamination | |
| 1804 | 920* | 2804 | 920* | Requesting publication of SIF prior to Examiner action | |
| 1805 | 1,840* | 2805 | 1,840* | Requesting publication of SIF after Examiner action | |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month | 55.00 |
| 1252 | 410 | 2252 | 205 | Extension for reply within second month | |
| 1253 | 930 | 2253 | 465 | Extension for reply within third month | |
| 1254 | 1,450 | 2254 | 725 | Extension for reply within fourth month | |
| 1255 | 1,970 | 2255 | 985 | Extension for reply within fifth month | |
| 1401 | 320 | 2401 | 160 | Notice of Appeal | |
| 1402 | 320 | 2402 | 160 | Filing a brief in support of an appeal | |
| 1403 | 280 | 2403 | 140 | Request for oral hearing | |
| 1451 | 1,510 | 2451 | 1,510 | Petition to institute a public use proceeding | |
| 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | |
| 1453 | 1,300 | 2453 | 650 | Petition to revive - unintentional | |
| 1501 | 1,300 | 2501 | 650 | Utility issue fee (or reissue) | |
| 1502 | 470 | 2502 | 235 | Design issue fee | |
| 1503 | 630 | 2503 | 315 | Plant issue fee | |
| 1460 | 130 | 2460 | 130 | Petitions to the Commissioner | |
| 1807 | 50 | 2807 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 1806 | 180 | 2806 | 180 | Submission of Information Disclosure Sheet | |
| 8021 | 40 | 2821 | 40 | Recording each patent assignment per property (times number of properties) | |
| 1809 | 750 | 2809 | 375 | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 1810 | 750 | 2810 | 375 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 1801 | 750 | 2801 | 375 | Request for Continued Examination (RCE) | |
| 1802 | 900 | 2802 | 900 | Request for expedited examination of a design application | |

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$55.00)**SUBMITTED BY**

Name (Print/Type) James R. Young

Registration No. (Attorney/Agent)

30515

Telephone

512-868-2606

Signature

Date

8/11/03

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Stoneman, et al.

Application No.: 09/921,495

Filed: 08/03/2001

Title: Eyesafe Q-Switched Er-Doped Solid
State Laser

Attorney Docket No.: C11108

Group Art Unit: 2828

Examiner: H. Vy

#11
#11
8-21-03RESPONSE UNDER 37 CFR 1.111Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In response to the Office Action of April 11, 2003, consider the following remarks:

REMARKS

Reconsideration and further examination is respectfully requested. Claims 1-48 remain in the application.

Applicants have invented a laser device for producing laser radiation at an eyesafe wavelength from a diode-pumped solid-state laser. The device consists of three stages. The first stage is a laser diode whose output pumps the second stage. The second stage is a guided-wave laser, or guided-wave Raman-shifted laser, whose output pumps into the upper laser level of the laser of the third stage. The third stage is an Erbium-doped solid-state crystalline-host laser whose output wavelength is in the eyesafe region.

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